LIBRARY
16 SEP 1958
TROPICAL PRODUCTS INSTITUTE

RUBBER JOURNAL
and
INTERNATIONAL PLASTICS

A WEEKLY RECORD OF THE RUBBER, PLASTICS AND ASBESTOS INDUSTRIES

INDEX

January to June 1958

VOLUME CXXXIV

Price 10s.

MACLAREN & SONS LTD.
Maclaren House, 131 Great Suffolk Street, London, S.E.1

GENERAL INDEX

PAGE

A

Aero Research Ltd.: Name Changed 1002
Accidents on Rubber-Making Machinery 171
Africa: Rubber and Plastics in, ... 372
South: Monopolitic Conditions 866
West: Nigeria Exports 632
Aik Hoe and Co. Ltd.: Fined 322
American Letter: News of the US Rubber and Plastics Industries 54, 260, 456, 537, 693, 845, 926, 960
ASTM:
Annual Meeting 959
Supplements 779
Symposium: Ozone Problems 814
Anchor Chemical Co. Ltd.:
Appointments 946
Company Meeting 499
Managing Director, New 983
Andre Rubber Co. Ltd.: Appointments 166
Applications of PVC by M. S. Welling 831, 879, 908
Arbitration Practice for 50 Years Held Wrong 345
Asbestos Cement; Future Development of, ... 224
Aspects of Rubber Combined Sulphur on Reclaiming, Some, by W. E. Stafford, D. T. Sargent and S. B. Allcroft 245
Associations:
British:
Cellular Rubber and Plastics: Meeting 734
Chemical Manufacturers: Work Study 735
Ebonite Manufacturers: Meeting 734
Latex Foam Manufacturers: Meeting 734
Mechanical Rubber Manufacturers: Meeting 701
Moulded Rubber Hose: Meeting 734
Rubber Flooring Manufacturers 734
Rubber Hot Water Bottle: Meeting 734
Rubber and Plastics Belting Manufacturers .. 701
Rubber and Resin Adhesive Manufacturers .. 844
Seamless Rubber and Plastic Manufacturers .. 872
Wrapped Rubber Hose Manufacturers: Meeting 701
Commercial Chemical Development: Annual Meeting 301
FBRAM:
Annual Golf Competition 366
Associate Members: London Meeting 618
Federation of Rubber Trade: Smallholders Co-operative Scheme 162
Food Jar Rings: Meeting 734
Incorporated Advertising Managers: Elect President 868
Malayan:
Estates Owners 518
Planting Employers': Workers' Wage Claim 122
Planting Industries Employers': Wage Talks 95
National Association of Tyre Specialists 927
Pan-Malayan Rubber 162
RABRM:
Adhesion of Rubber to Textile Materials 221
Calcium Carbonate Fillers for Rubber 130
Dinner: Need for Research 713
Directorship, of 362
Elections 964
Open Day 576, 715

PAGE

Associations—*continued:*
Rubber Abstracts 184, 928
Shape Factor Problem in Rubber Engineering 104
Temperature and Rate Effects in High Polymer Deformation 384
Rubber Footwear Manufacturers: Meeting .. 467
Rubber Growers':
Annual Meeting 774
Council Report 688
Rubber:
Manufacturers: Retread Failures 853
Proofers': Meeting 701
Trade: Benevolent Fund 640
Waste Rubber Merchants 654
Wholesale Clothing and Manufacturers Federation of Great Britain: New Chairman 984
Australia:
Carbon Black 444
Goodyear Tyre and Rubber Co.: Low Profit .. 978
Orthopaedic Surgery 902
Polystyrene Plant 412
Polythene Plant, New 10, 942

B

Baker Perkins Ltd.: Amalgamation 852
Bakelite Ltd.:
Machine Guards from Transparent Vinyl 391
People and Plastics 301
Polyethylene Mulching for Vegetables 5
Bank Bridge Rubber Co.: Long Service Awards .. 142
Barrow Hepburn and Gale: Appointment 113
Batger and Co.: Plastic Trays Speed Sweet Production 162
Biggest Earth on Earth 650
B.I.P. Chemicals: Coating Resins Development Department 986
Birthday Greetings 163, 320, 478, 632, 826
Honours List 949
Blue Peter Retreads Ltd.: Tour 576
Board Changes:
Albright and Wilson, 391; Aldrige Plastics, 732; Anglo-Sumatra Rubber Co., 1000; Banteng (Selangor) Rubber Estates, 576; Bakelite, 370; Baker Perkins Ltd., 650, 921; Board of Riverview Rubber, 659; Bruseh Rubber Estates, 110, 209; Bukit Kajang Rubber Estates, 129; Bukit Nilai Rubber Estate, 142; Cape Asbestos Co., 221; Central Sumatra Rubber Estates, 83; Joseph Crosfield and Sons Ltd., 15; Doranakande Rubber Estates, 724; Derby Cables, 620; Dunlop Rubber Co., 756, 872; Dunlop Sports Co., 873; Gadjah Rubber Estates, 564; Grand Central 463; Gula-Kalumpong Rubber Estate, 446; Higgoda Rubber Estate, 205; Java Rubber Plantation, 697; Kuala Muda Rubber Estates, 152; Kuala Pergau Rubber Plantations, 74; Kuala Reman Rubber Estates, 4; Lenggeng Rubber Co., 882; Leyland and Birmingham Rubber Co., 777; Lubok Rubber Estate, 308; Mashaba Rhodesian Asbestos Co., 388; Muar River Rubber Co., 46, 68; Majedie (Johore) Rubber Estates Ltd., 715; New Columbia Rubber Co., 726; North British Rubber Co., 766; Pana-

PAGE

Board Changes—*continued:*
guala Rubber Co., 583; Paragon Holdings, 182, 763; Pelepah Rubber Co., 986; P.P.K. (Ceylon) Rubber Estates, 736; Revertex Ltd., 29; Riverview Rubber Estates, 704; Selangor United Rubber Estates, 695; Sempah (Holdings), 776; Sungei Engun Rubber Estate, 185; Sungei Puntar Rubber Estate, 984; Tandjong Rubber Co. Ltd., 64; United Patani (Malaya) Rubber Estates, 720; Vinatex Ltd., 912; Vinyl Products Ltd., 931.
Board of Trade:
Anti-Dumping Duty Imposed 64
Appointment 320
Consolidation of Patents Rules 268
J. L. Girling: Retiring 204
Synthetic Rubber 518
Brazil:
Amazon Production to Increase 209
International Finance Corporation: Agreement 712
Investment Conference 946
Rubber Industry 873
British Borneo: Boom in Illipenuts 790
British Cellophane Ltd.: New Offices– 852
British Electrical Power Convention: 1958 Power Convention 163
British Employers' Confederation: New President 366
British Geon Ltd.: Hycar 1001 Freely Available 295
British Insulated Callenders Cables Ltd.:
Appointments 91
Holidays 872
British Moulded Plastics Ltd.: New Factory 210
British Plastics Federation:
Designing in Plastics 925
Dinner/Dance 320
Expansion in Plastics 438
Fabricators to Meet 205
Machining of Thermosetting Laminated Plastic 478
Polythene Pressure Tubing 912
Princeton Reports on Plastics 407
Progress in Plastics 496, 690
PTFE Fabrication 485
British Resin Products Ltd.:
Appointment 617
High Density Polyethylene 572
Trolleys 459
British Standards:
Constructive and Anti-Static Rubber 740
Determination:
Creep and Stress Relaxation, of 859
Tension Set, of 704
Glossary of Terms Relating to Powder 563
Low Density Polythene Rod 171
Methods of Testing Plastics—Part IV 1011
Moving Sidewalk 29
Phenolic Resin-Bonded Cotton Fabric Sheets 704
Polystyrene Moulding Materials 1011
Rubber Hose for IC Engine Cooling Systems 782
Rubber-Insulated Cables 26
Solvents and Allied Materials 416
Testing Vulcanised Rubber 416, 704
British Tufting Machinery Ltd.: Polyurethane Foam Plants 412
BTR Industries Ltd.:
Conveyor Belt 807
Industrial Safety Footwear 883

PAGE

BTR Industries Ltd.—*continued:*
Long Service Awards 806
Butyl Rubber and Unsaturated Materials 82

C

Call for Tenders 163, 351, 891
Canada:
Army Agencies 931
Asbestos 5, 983
Shipment 130, 254, 619, 856
Chemical Institute of Canada: Conference 916
41st Annual Conference and Exhibition 807
Compound, New 866
Import Competition 1005
Polymer Corporation Ltd.:
Latex Handling Plant 632
Latex Plant 750
1957 Report 596
Rubber:
Association: Meeting 947
Consumption 88, 250, 460
Footwear 15
Imports 446
Industry 1958 23
March Comparison 814
Sales 866
Trade Mission Office, Permanent 88
Tyre Production Figures 986
Vinyl-Asbestos Tiles 301
Carbon-black, Copper and Arsenic in 524
Catalogues Received:
Aluminium Silicate Filler 392
'Akron' Flow Indicators 739
Auto-Titration Equipment 1011
Blast Cleaning Equipment 857
Capacitance Monitor 310
Chemical Intermediates 932
Colour Pastes 73
Complete Hose Information 703
Cutless Rubber Bearings 152
Dedusting Equipment 194
Diaphragm Valve 271
Handbook 352
Document Copying 235
Du Pont Products 583
Dust Collection 271
Electrical Weighing 352
Gas-liquid Chromatographic Apparatus 37
High Impact Thermoplastic Resin 37
High-temperature Heating Plants 194
Hydraulic:
Pumps 310
Variable Speed Gears 932
Indicator Light Fittings 73
Laboratory Equipment 392
Lancashire Dynamo 310
Latex:
Compounds 891
General, Uses of 152
Londex Data Book 37
Machine Installation 235
Mechanical Handling Equipment 194
Moulding Equipment 392
Naugatuck Plastics 352
Non-Toxic Food Belting 818

PAGE

Catalogues Received—*continued:*
- Nylon in Industry ... 932
- Operation Recorder ... 310
- Packings and Jointings ... 310
- Plastic:
  - Bottles ... 271
  - Materials:
    - Handbook ... 427
    - Production ... 508
  - Osteological Models ... 467
  - Products ... 663
  - Products Guide ... 739
  - Sections and Extrusions ... 467
- Polyethylene Design, Properties and Fabrication 583
- Polythene Information ... 891
- Relays and Controls ... 271
- Resinated Asbestos Moulding Materials ... 622
- Rubber Hose Knitting Machinery ... 663
- Safety Goggles ... 857
- Saw for Plastic ... 310
- Section Sealing Rings ... 703
- Shellac in Rubber Compounds ... 782
- Shelving System ... 112
- Steam Trap ... 310
- Stop Valve ... 112
- Synthetic:
  - Elastic Material ... 703
  - Resins in Building ... 781
- Terylene in Industry ... 548
- Thermal Insulation ... 508
- Vee-Belts ... 112
- Wire-Covering Machinery ... 818

Ceat Tyres of India Ltd.: New Factory ... 254

Central Tire and Rubber Co.: Tyre Prices Raised 163

Ceylon:
- Factory for Motor Car Tyres and Tubes ... 978
- Soviet:
  - Agreement ... 295
  - Trade ... 254
    - Tyre Factory to be Built ... 320

Changes of Name:
- Abbuvil Ltd. ... 114
- Bright Plastic Holdings Ltd. ... 859
- Bruseh Rubber Estates Ltd. ... 933
- Gruen-Davies Ltd. ... 1013
- Java Amalgamated Rubber Estates Ltd. ... 584
- Jong-Landor Rubber Estates Ltd. ... 1013
- Kushcoat (Direct Supply) Ltd. ... 665
- Langapoera (Sumatra) Rubber Estates ... 819
- Lubok Rubber Estate Ltd. ... 933
- Martin Plastics (Maidstone) Ltd. ... 1013
- Micro Marine Ltd. ... 1013
- Minibrix Rubber Co. Ltd. ... 1013
- Newclay Holdings Ltd. ... 584
- Palmer Tyre Ltd. ... 114
- Penkala Plastics Ltd. ... 859
- Plasticon Industries Ltd. ... 665
- Redfern's Rubber Works Ltd. ... 429
- Rental Acceptances Ltd. ... 271
- Russell, James and Co. ... 114
- Rycraft Accessories (Hainault) Ltd. ... 1013
- Segari Rubber Ltd. ... 429
- Wm. Jas. and Hy. Thompson ... 819
- Dr. V. E. Yarsley (Plastics Testing Laboratories) Ltd ... 1013

PAGE

Chemical Reactions Induced by Polymer Deformation ... 403

China:
- Freight War in ... 402
- International Rubber Study Group: May Abstain ... 790
- Inspections of Rubber ... 826
- Malayan Rubber: Biggest Buyers of ... 866
- Permission to Export Rubber to ... 632
- Singapore Representatives ... 750
- Special Plastics ... 826
- Thai Rubber, Wants ... 83

City of London College—Plastics Lectures ... 946

Coefficient of Friction and Dynamic Properties of PVC ... 993

Cologne: Rubber Conference ... 502, 811, 872

Colour Printing Polythene ... 37

Columbian Carbon Co.:
- Annual Meeting ... 779
- Expansion ... 915

Commercial Plastics Group: Expansion ... 518

Commodity Price Stabilization ... 244

Commonwealth Compatriots ... 296

Compounding of Polyvinyl Chloride 162, 281, 340, 408, 453

Co-operative Selling Suggested for EFTA ... 4

Correspondence: Disillusioned Emigrants ... 46, 82

County Court Judgments ... 74, 235, 507, 550

P. B. Cow and Co. Ltd.:
- Dinner ... 88
- Directors' Dinner ... 46

Creators Ltd.: Plastics Clothes Airer ... 654

Cressal Tyre and Rubber Co. Ltd.: Christmas Dinner ... 27

Crossword ... 174, 384, 532, 838
- Solution ... 195, 394, 549, 858

Curtis-Woloch Co. Ltd. Fire ... 166

Cyanamid of Great Britain ... 558

D

John Dale Ltd.: Polythene Cap Liners ... 459

Dermatine Co. Ltd.: Creditors Meet ... 184

Dermatitis from Vulcanising Chemicals ... 485

Deuterio Rubber ... 986

Distillers Co. Ltd.: New Manager ... 38

Distillers Plastic Group ... 152

DKG Cologne Conference: Flex Testing with Biaxial Straining ... 872
- Natural Rubber Production ... 811

Dominican Republic Development Commission: Factory for Plastic Containers ... 855

Dow Chemical Co.:
- Radio Link ... 286
- Tyril ... 458

Dowty Seals Ltd.: New Director ... 128

Dunbee Ltd.:
- Golden Line Tablecovers ... 1004
- Plastic Sheet, New ... 322

Dunlop Canada Ltd.: Appointments ... 882

Dunlop Research Centre: Politone K 745 ... 844

Dunlop Rubber Co.:
- Accident Prevention Awards ... 182
- Appointment ... 467, 640
- G. E. Beharrell's Review ... 962
- Bonded Polythene Lining ... 262

PAGE

Dunlop Rubber Co.—*continued:*
Booklets, two 142
Donations 190
YWCA 1004
Formal Offer for John Bull 343
Guide 422
Inaugurate Supply Division 656
John Bull Stock 226
Polyether Foam, New 576
Representatives 540
Storing Tyres, New Method 869
SIGA Agreement 345
Tyre:
New 834
Factory, New 438
Prices, Cut 351
Story on Record 478
Dunlopillo: Olympia, on the Floor 326
Du Pont Co. (UK) Ltd.:
Elastomers Research Laboratory 993
Polyethylene 4
Synthetic Plant, New 438

E

Education in the Plastics Industry 288
E. I. du Pont de Nemours and Co.: Synthetic Fibre Tests 657
George Ellison Ltd.: Appointment 416
Esso Research and Engineering Co.: New Synthetic Rubber 558
Evaluations of Mercaptobenzimidazole and its Zinc Salt 633
Evode Ltd. and Vik Supplies Ltd.: Amalgamation Ball 205
Exhibitions:
BIP at Oil and Colour 301
Brussels: Plastics at 619
Business Efficiency 37
Chemical and Petroleum Engineering 766, 916
Furniture 166
Mechanical Handling 676
Oil and Colour Chemists 104
Plastics Products at 915
Production and Conference 4
Synthetic Materials 221
Expanded PVC 500
Explosion from a Steam-heated Platen 654
Export Opportunities:
Canvases, Plastics Piece Goods from New Zealand 779
Component Parts Used in Luggage for USA 859
Equipment for India Factory 185
Floor Covering for Iran 300
Household Plastics for Cuba 464
Insulated Cables for Tropics 150
Plastic:
Extruding Machine for Singapore 819
Material for Rhodesia and Nyasaland 150
Polystyrene:
Raw Material and Sheet Form for Israel in 736
Slabs for Germany 704
Runner Manufacturer for Italy 300
Sealing Machines for Plastics in USA 185
Vulcanizing Machinery and Plant for S. Africa 859
Extruder, Twin Screw, Mapré 678

PAGE

F

Farm Tyres 912
Fawcett-Finney Ltd.: Contract 244
Fawcett Preston and Co. Ltd.: Bicentenary 868
Ferro Enamels Ltd.: New Inorganic Pigment Plant 142
Filler Reinforcement Properties 811
Firestone International Co.: Open Two Factories 122
Firestone Tyre and Rubber Co.:
Address, New 254
Appointment 372
Expand in Yorkshire 780
Gordon Plasticator 178
Hispania Extension 446
Synthetic Rubber Prices Revision 732
Tyre:
New 540
Price Cuts 372
France:
Eugene Agreement with US Rubber Co. 750
German Plastic Plant 777
Pirelli Co.: New Factory 978
Process, New 866
Rubber Production, Ivory Coast 5
Suspended Import Licences 826
Ugine: Production of Carbon Black 712
Vertical Continuous Vulcanization Line 632
French Rubber Co.: Increases Capital 404
Friction of Rubber 986
Future Events 38, 74, 113, 153, 194, 235, 271, 310, 353, 393, 428, 468, 509, 548, 584, 623, 644, 705, 740, 782, 892, 933, 1012

G

Geigy Holdings Ltd.:
Appointments 254
Increase Sebacic Acid Production 572
General Electrical Co.: Silicone Rubber Compounds, New 163
General Tyre and Rubber Co.:
Tyre Factory for Morocco 150
USA Polyethylene, New 280
Germany:
Brussels Exhibition: Asbestos Cement 438
Deutsche Kautschuk-Gesellschaft: Rubber Conference 619
Polythene Plant 724
Polythene Plants, New 10
Rubber Society Conference 755
SR Plant 558
Western Germany:
Deutsche Dunlop: Lower Prices 942
Farbenfabriken Bayer: Polycarbonate, to Market 712
Increase in Production of Synthetic Rubber 672
International Rubber Study Group: 22 Member Countries 902
Michelin Factory, New 902
Plastics 52
Rubber Sales Depend on Motorization 942
SR Annual Report 978
Tyre Production Falls 596
Ghana: Increase Rubber Production 942
Goodyear Pumps Ltd.: Revolutionary New Pump Uses SR as Integral Part 22
Goodyear Tyre and Rubber Co.:
Canada Give 1957 Figures 286

PAGE

Goodyear Tyre and Rubber Co.—*continued:*
Fire ... 558
International Competition ... 532
OCCA Exhibition ... 366
Record Sales ... 280
Synthetic Rubber Plant ... 88
R. W. Greef and Co. Ltd.: Open Birmingham Office ... 427
R. and H. Green and Silley Weir: Collapsible Rubber ... 563
Greengate and Irwell: Long Service Awards ... 17

H

Heat Ageing of Natural Rubber, by W. P. Fletcher and S. G. Fogg ... 16
Hercules Powder Co.:
Polyethylene Price, Lower ... 320
Premises, New ... 687
Report ... 258
High Polymers, by Dr. H. W. Melville ... 323
History and Development of the Vinyl Industry, by M. S. Welling ... 11
Holland:
Belgian Transfer ... 343
Synthetic Rubber Plant ... 15
House of Commons: Question on Rubber ... 800
Hubron Rubber Chemicals Ltd.: Handbook ... 137
Hydraulic Hoses in PTFE ... 884

I

Iddon Bros. Ltd.: Export Mill ... 888
Illustrations:
Adjustable Shelving ... 152
Air-Storage Bottle ... 810
Anti-Kerosene Suit ... 208
Apparatus for Moulding Sheets of Plastic Material ... 701
'Aquafort' Rubber Suits ... 576
Automobile Radiator Thermostat ... 845
Balloons: Rubberized-Fabric ... 538
Banbury Mixer ... 8, 406
Bawn, C. E. H. ... 138
'Black Knight' Container ... 622
Boat-Cloak ... 291
Bridge Calender Unit ... 480
British Geon Ltd.: Factory ... 99, 100
British Moulded Plastics Ltd.: Group ... 210
British Plastics Federation ... 690, 691
BTR Industries Ltd.: Group Awards ... 806
BX Plastics Ltd.: Stand ... 988
Burtonwood-Cumberland: Plastics Reducing Equipment ... 990
Buss Ko-Kneader ... 7
Working Parts of ... 6
Calender Unit ... 479
Car Body Shells ... 951
Coal Conveyor System ... 807
Coating Paper with Bakelite ... 301
Commercial Plastics Group: Factory ... 518
Comparison of Posts ... 22
Converting Ducting ... 418
Conveyor Belt ... 321
Convocation Day at the National College of Rubber Technology ... 382
Cracking and Recycling Set-Up ... 65

PAGE

Illustrations—*continued:*
Crating the 'Packaged Mills' ... 248
Diagrams:
Plastic Extruder ... 867
Rayon Tyre Cord ... 682
Strength of Denier Cord ... 683
Temperature Effect on Strength of Tyre Cords ... 683
Ducting ... 419
Dunbee Ltd.: Curtaining Material ... 302
Dunlop Golf Tournament ... 811
Duramat ... 407
Durapipe K Fittings ... 944
Tubing and Fittings ... 1044
Elastomer Research Laboratory ... 993
Extract Manifold ... 598
Extruder ... 678
Side View ... 679
Extrusion ... 701
Fabritank ... 538
Featherweight Hose ... 911
Fishermen's Oilskins ... 911
Flame-Plated Skiving Knife ... 130
Flexible Rubber Suspension ... 380
Fort Dunlop: Visitors ... 884
Flow Value Fabricated ... 301
'Foamprene': In its Flaked Form ... 166
Sheet of ... 166
Fork-Lift Truck ... 869
Formica Ltd.: Stand ... 564
Fuel Train ... 260
Fume:
Extraction and Scrubbing Plant ... 946
Cupboard ... 595
Cupboard Roof ... 595
Cupboard under Construction ... 598
Glass Fibre Rocket Packs ... 947
Goodyear Pumps Ltd.: Pump ... 223
Gordon Plasticator ... 178
Gramophone Records ... 911
Greengate and Irwell Rubber Co. Ltd.: Presentations ... 17
Guildhall, Leicester ... 734
Hand Lay-up Process on the Body Moulding ... 951
Helmet for Maintenance Work ... 911
Hydro Fluoric Acid Exhaust System ... 911
'Im-Plast' Battery ... 8
Imperial Chemical Industries Ltd.: Stand at Brussels ... 564
India Cable Co.: Winners of Sports ... 572
Industrial Safety Footwear ... 883
Inflatable Rubber Aeroplane ... 964
Injection Machine ... 583
Inner Walls of Tubeless Tyre ... 779
IRI:
Foundation Dinner ... 799
Golfing Society ... 574
London Section: Golf ... 720
John Bull Factory ... 734
J-Tank ... 697
Kleinerts Swim Caps ... 20
Leicester Art and Technology College ... 734
Leicester-Kombi LKE ... 455
Looms ... 406

PAGE

Illustrations—*continued:*
Machine:
Covering Tubing with Threads, for 581
Moulding Plastic Material, for 1008, 1009
Manifold 947
Martindale Wear Tester 674
Mill, Packaged 225
Mixing Head on a Continuous Foaming Machine 571
National College of Rubber Technology: Party 841
Nitrile Crash Pad 388
Nomograph Calculating Incubation Time 803
North British Rubber Co.: Visit 332
Nylon Belt 322
1,000-r.p.m. Borer 208
' Perma Spare ' 261
Plastics:
Apron 322
Court in 984
Craft, National Boat Show 53
Lifeboat for Monaco 858
Water Filter 932
Plastoglass 766
Polyester Glass Building Cradle 209
Polyethylene: Calenders for 94
Polythene:
Cap 458
Wrapped Building 364
Polyurethane Foam Metering Machine 413
Portable:
Boat 291
Marking and Filing System 869
Pre-dipped Cord Fabric 380
PTFE Displacement Pump 144
PVC:
Baffle Plates 523
Balls 614
Casings, Rigid 944
Extract Manifold 596
Fans 344
Sets 596
Foam 652
Fume Cupboard 617
Extraction 126
Impeller 126
Lined Steel Fan 344
Open-Cell Foam 880
Pastes, Spreading of 611
Pipeline 164
Pressed 4-in. Block 989
Quilted 302
Sailing Wear 891
Scrubber 522
Unplasticized Bends 944
Valve System 988
Welding 47, 84
Rod 88
Rand Fibre-Resin Depositor 716
Reclaimator 66
Refrigeration Door Construction 104
Reinforced Plastics in Zeta 446
RABRM Dynamic Tester 950
Rotary:
Plate Barrel 946
Power Loss 907

PAGE

Illustrations—*continued:*
Rotary—*continued:*
Vacuum Drum 942
Rubber Belting 832
Rubber Latex Ltd.: New Factory 715
Russian Technical Delegates at RABRM 207
Safety Glass 94
Sealing, Rubber Rings 660
Scott Vertical X-3 Tensile Tester 739
Shawbury, Dining Out 756
Slitting and Re-Winding Machine 933
Slotted Window Frames 736
' Speedmullor ' 415
' Special ' Receiver 165
Spreading of PVC Pastes 611
Steel Mesh 989
Stelvelite:
Edge Being Removed 146
Expanded 146
Stromag Clutch 679
Surf-Float and Beach Ball 302
Tenaplas Ltd.: 8-in. Diameter Pipe 301
Tap, Hot and Cold Water 427
' Texas Tower ' 847
Thermal Conductivity, Measuring 695
Thrust Bearing Gear Box 680
Toboggan of Glass Fibre 694
Toys 911
Trolley 459
T's, Elbows, Flanges and Couplers 944
Turner Bros. Asbestos Co.: Canteen 406
Tyre: Building Machine 379
Cord Dipping 445
Machine 676
Unplasticized PVC Bends 944
Wallace Low-Temperature Adaptor 755
Washing High-Softening Styrene Copolymers .. 695
Welding a Polythene Container 48
Wire Basket 641
Wito Chemical Co.: Annual Dance 64
Young People's Lecture 138
Imperial Chemical Industries Ltd.:
Appointments 576
Methanol Production Increase 664
Increases of Capital:
J. Allen Rubber Co. 429
Armitas Plastics Ltd. 740
British Plastics Developments Ltd. 858
E. F. Bullen Ltd. 819
Compoflex Co. 509
S. Daniels (Greengate) Ltd. 310
Diac Ltd. 39
Elco Plastics Ltd. 1012
Fibreglass Reinforced Plastics, Ltd. 272
Fibrin Plastics Ltd. 584
L. K. Tyre Services Ltd. 310
Majedie (Johore) Rubber Estates 429
Malay Rubber and General Trust 819
F. W. Maul and Son Ltd. 1012
Modern Methods and Materials Ltd. 858
Morane Plastic Co. 933
Murray and Ramsden Ltd. 1012
Pantiya Electronics Ltd. 858
Paragon Holdings Ltd. 509
Plastic Compounds Ltd. 39

PAGE

Increases of Capital—*continued:*
- Polypenco Ltd. 1012
- Prestfibre Ltd. 933
- Ranton and Co. 624
- Rubber Stereos Ltd. 1012
- A. J. Self (Plastics) Ltd. 933
- Southern Rubber Co. 858
- Sungkui Estates 39
- Sutcliffe Moulded Rubber Co. 740
- Taylor Tyre Services 740
- Waltham Rubber and Plastics Ltd. 858

India:
- Bicycle Tyres Statistics 596
- India Cable Co.: Sports 572
- SR:
  - Plant 650
  - Deferred 978
- Waste Rubber Export 83

Indo-China: Plantation Research in, 17

Indonesia:
- Barter Trade 104
- Licence for Low Grade Rubber 942
- Rice/Rubber Barter 83
- Rubber to China, More 163
- Rubber for Rice Barter Offer 33
- Situation in, 368

Industrial Safety 797

IRI:
- Australasian Section Election of Officers 653
- Colwyn and Hancock Medals 813
- Diploma Examinations, 1958 638
- Elections 834
- Appointments and, 205
- Foundation:
  - Dinner 798
  - Lecture, 1958 402, 791
- Golfing Society:
  - London Section 574, 720
  - Manchester Section 766, 959
  - Scottish Cup 460
  - Southern Section 650
  - Wallwork Cup Final 949
- Leicester Section:
  - Annual General Meeting 623
  - Butadiene Copolymers 444
  - Butyl Properties and Applications 248
  - Radio-Active Isotopes in the Rubber Industry 128
- London Section:
  - Accelerated Vulcanisation of Natural Rubber 338
  - Dinner/Dance 224
  - Importance of Team Work on Sales Staff 656
  - NCRT Research 498
  - Synthetics in Cables 124
- Merseyside Section:
  - Book Display 258
  - Dinner/Dance 496
  - Dynamic Application of Rubber 250
  - Earth Satelitte's 20
- Midland Section:
  - Impact of Atomic Energy on Rubber and Plastics 524
  - Rubber Industry Costing 280
  - Synthetic Textiles in the Rubber Industry 140

Plastics Institute versus, Scottish Golf 929

Report on Last Year's Examinations 767, 808, 850

PAGE

IRI—*continued:*
- Section Elections 952
- Scottish Section 460

International High Polymer Conference 420, 460

International Synthetic Organisation: Conference 1010

International Rubber Co.: Meeting 558

International Synthetic Rubber Co.: New Site 224

Iran: Developing Market 177

Israel:
- Israel Alliance Tyre and Rubber Co.: Plantations 82
- Tyre Factory, New 4

Italy:
- Montecatini Co.: Synthetic Material, New 632
- Pirelli: Liferafts 572
- SR Materials Exempted from Duty 224
- SR Production 672

Itshide Rubber Co.: New Chairman 244

J

Japan:
- Nippon Zeon Co.: Synthetic Rubber Production 942
- Rubber Plant 902
- Synthetic Rubber Co.: Technical Assistance 672
- SR Production 204
- Tyres to Malay 986

John Bull Rubber Co.:
- Accept Offer by Dunlop 463
- Accident 221
- Appointment 146
- Offer by Dunlop 248
- '20' Club: Annual Dinner 153

K

Kelly Springfield Tire Co.: Returning to UK 204

Kenya: New Plant 902

Kingsbourne Products Ltd.: PTFE Positive Displacement Pump 144

Kingsley and Keith: Plasticizer Distributors 464

Kleinert Rubber Co.:
- Long Service Awards 15
- Swim Caps 286

Kuala Lumpur:
- Malayan Planting Industries Employers' Association: Pay Scheme 902

L

Latex Process and Dispersions Co.: Latex Compounds to be made in Eire 952

Latex Surgical Products, New Address 715

Leicester, The City of 734

Leyland and Birmingham Rubber Co.: Childrens' Party 24

Lindsay and Williams Ltd.: Closing Production 283

Litacraft Ltd.: Glass Fibre Rooflights Exports 656

London Rubber Co.:
- Childrens' Party, Annual 83
- Long Service Awards 23

M

MacLellan, George, and Co. Ltd.: Appointments 88

Machines, Materials, and Equipment:
- Adjustable Shelving 152
- Aerosol Stencil Ink Dispenser 547

PAGE

Machines, Material and Equipment—*continued:*
- Air Filtration ... 151
- Aluminium Ageing Tester ... 427
- Antioxidant Available ... 583
- Automatic Drip ... 1011
- Auto-Reset Timer ... 508
- Brush Setting Cement ... 270
- Calender Gauges ... 818
- Cold-Dyeing Dyestuff ... 781
- Compensated Level Platform Table Trolley ... 392
- Continuous Wall Chart ... 112
- Control Units ... 73
- Drum Spreading Machine ... 891
- 'Dry' Bearing Materials ... 739
- Electro-Magnetic Batch Counters ... 235
- Electronic Recorder ... 193
- Extruder Heating ... 663
- Factory Furniture ... 235
- Filling Machine ... 271
- Free-end Couplings ... 392
- Horizontal Bandsaw ... 891
- Hydraulic Power Unit ... 857
- Industrial:
  - Clothing ... 818
  - Inspection Kit ... 703
- Injection:
  - Machine Heating ... 583
  - Mould Heating Unit ... 1011
- Low-Loading Bogil Truck ... 112
- Magnetic Extracting Apparatus ... 427
- Mobile Radiotelephone ... 622
- Non-Corrodible Lighting Fittings ... 234
- Packaged Water-Chilling Unit ... 703
- Photoelectronic Relay ... 234
- Pigment Masterbatches ... 818
- Plastic:
  - Ducting ... 309
  - Electro-Plating Process ... 270
  - Goggle ... 781
  - Injection Machines ... 193
  - Water Filter ... 932
- Pneumatic-Tyred Compaction Roller ... 739
- Polythene:
  - Container and Tap ... 622
  - Lined Rubber Hose ... 663
  - Storage Bin ... 891
- Porous Ceramics ... 152
- Portable Resuscitator ... 37
- Pressure Feed Containers ... 235
- Reach Fork Lift Truck ... 151
- Reflection Densitometer ... 548
- Re-Refining Systems ... 309
- Resins for Glasscloth Laminates ... 622
- Roof and Wall Sealing Washers ... 152
- Silicones as Mould Release Agents ... 781
- Slitting and Re-Winding Machine ... 932
- Steel Flooring ... 310
- Stock Control Device ... 193
- Switchgear Handle ... 508
- Synthetic Belting ... 427
- Tap, Combined Hot and Cold ... 427
- Thermocouple Wire ... 112
- Thin Wall PTFE Tubing ... 112
- Tubular Steel Conveyor ... 270
- Tyre Cord Clamps ... 739

PAGE

Machinery, Materials and Equipment—*continued:*
- Urethane Raw Material ... 818
- Vacuum Oven ... 73
- Vinyl Resin ... 548
- Water Deionizer ... 547
- Waterless Wash-Station ... 37
- White Ion Exchange Resin, New ... 781

Malaya:
- Aim of Rubber Industry ... 362
- Estate Workers' Wages ... 558
- European:
  - Interests ... 244
  - Plantation Sold ... 596
- National Union of Plantation Workers: Wage Talks ... 750
- Natural Rubber Prospects ... 617
- 'Paper' Rubber ... 672
- Plantation Workers: Higher Wages ... 105
- Planting Industries Employers' Association ... 866
- Price Stabilization ... 866
- Processing, New Method of ... 866
- Rubber:
  - Conference, for ... 646
  - Declined in Quality ... 978
  - Fall in Price ... 978
  - Goods Production ... 388
  - Hopes Expressed ... 404
  - Industry Replanting Board Grants ... 790
  - Producers Council Report ... 295
  - Research ... 66
    - Funds ... 204
    - Urged ... 52
  - Roads ... 650
  - Workers':
    - Wages ... 402
    - Talk ... 204
- Rubber Goods Manufacturers' Association ... 826
- Seed Embargo Lifted ... 129
- Selangor Planters' Association Report ... 596
- Strike:
  - Over Pay Cut ... 712
  - Talks ... 362
- Tax Relief ... 949
- Unions Merge ... 129
- United Planting Association of Malaya: Annual Report ... 790

Manufacture and Properties of Vinyl Polymers and Copolymers, by M. S. Welling ... 98

Manwood, Miller and Co. Ltd.: Plastic Scrubber Plates ... 366

Marley Group: New Vinyl Sheet Flooring ... 250

Marley Tile Co.: Flexible Stairnosing ... 650

Masterbatching Techniques, by H. A. Braedle ... 365

Matthew Hall and Co.: Dutch SR Plant Contract ... 921

Mechanism and Friction of Rubber, The ... 486

Men and Matters ..22, 62, 96, 136, 176, 220, 266, 294, 337, 378, 494, 535, 570, 606, 648, 686, 726, 764, 805, 840, 878, 922, 958, 999

Metal Industries Ltd.: Merge ... 814

Michelins (France) Ltd.: German Subsidiary ... 122

Microcell Ltd.: Domestic Chairs ... 855

Mitchell and Co. Ltd.: Agents for Pakistan ... 461

Monsanto Chemicals Ltd.:
- Acquisition ... 732
- Arcon Building for Laboratory ... 656

PAGE

Monsanto Chemicals Ltd.—*continued:*
Polyflex Agents, New 676
Monsanto Chemicals (Australia) Ltd.: Increases Interests 366
Montecatini Co.: Exports 280

N

National Boat Show: Messing About in Boats... 24
National College of Rubber Technology:
Chemical Analysis of Rubber and Plastics..... 906
Course..... 723
Dunlop Rotary Power Loss Machine..... 907
Dynamic Testing and Properties of Elastomers 528
Fundamental Unity of Diverse Phenomena.... 950
Library 532
Progress 382
Selecting Materials for, Elastic Mountings of Elastomers 984
Tour Germany and Holland, by D. A. Smith.. 841
National Joint Advisory Council: Training for Skill 332
NR and SR Tariff Duties..... 459
Natural Rubber Development Board:
Brochures: Casting Concrete Against Textured Rubber 137
Rubber:
Airports for,..... 502
Building in,..... 364
Natural Rubber Grades and Contracts: FBRAM Publication 870
Neoprene Extrusion 1000
Netherlands: Tax Increases 250
New Guinea: Better Rubber Strains for..... 402
New Zealand: Import Licensing Schedule..... 64
Nigeria: Rubber:
Exports..... 780, 966
Price 738
Processing Plant 301
North British Rubber Co. Ltd.:
Appointments..... 50, 931
Nitrile Crash Pad..... 388
Safety Boots..... 1005
Short-Time Work 618
Northern Polytechnic and the National College of Rubber Technology: Bomb Scare..... 345
Norway: Norges Gummitekniske Forening: Meeting 804
Notes of the Week (*in sequence as they appeared*):
Equipping Industry by HP; Executives Need Vigorous Exercises; Indonesian Events; Russian Science in English; About Ourselves 3
Golf Balls in Trouble; Exporting Brainpower; Prospects for Malaya; New Features..... 45
Disillusioned Emigrants; Industry and Consumer; Window Dressing; Work Study for Smaller Firms 81
Prospects of Free Trade Area; Lighting of Factories; Versatile Plastics; Inflation and Wage Demand..... 121
Thermoplastic Thinking; Plastics in the Home; Restriction on Trade..... 161
Inadequate Statistics; Management and the Technologist; Indonesia; Danger to Smaller Firms 203

PAGE

Notes of the Week—*continued:*
Motorways; Black Top, White Top or Rubberized?; Future of Research Associations; Facilities for Trade Fairs..... 243
Education for Industry; Support Essential; Persuading a Man to Stay; Helping Teachers; Road Plan..... 279
Arbitration Practice; Attracting Investment; Synthetic Natural Rubber; Wasted Heat; A Notable Centenary 319
'Pon our Sole'; Indonesia; Joint Conference; Industrial Relations..... 361
Youth and Science; School and Industry; Taxation Note; Indonesia; Blow for Blow.. 401
New Raw Material; Automation Moves; Some Industry! 437
Plastics Unlimited; Wicked Words; Challenge to be Answered..... 477
Risks must be Taken; Plastics in Cars; Paper Sizes 517
International Standards and the FTA; Actions Against Employers; Watching the Dial.... 557
An Unremarkable Budget; This Tranquil World; Jurors' Fees..... 593
Economic Prediction; US Recovery; Too Tranquil; Auld Land Syne; High Polymer Antics 631
Plastics Progress; Indonesia; Rubber 'Wagers' 671
More Teachers; More Students; More Apprentices 711
Thermal Insulation Act; Expenditure Worth While; Life-Saving Rafts 749
Magnificent Potential; Competitiveness from Moscow 1759..... 789
Cut and Cut Again; Employment in England; Nationalization Pledges..... 825
Better Housekeeping; Profit Sharing; Natural Rubber Grades and Contract..... 865
Works Tidiness; Worn-out Tools; Club for Foremen 901
Not at any Price; Plantation Progress; The Right Price; Trips to the USA..... 941
Research and Rubber Growing; Estate Efficiency; A Year of Expansion..... 977
Nylon:
Cord Bicycle Tyre..... 204
Monofilaments 192
Tyres..... 362

O

Obituary:
E. H. Bliss, 720; S. A. Brazier, 649; J. L. Daniels, 94; P. Donaldson, 46; A. Ellison, 5; Sir George Evetts, O.B.E., 1002; P. B. Henshaw, 906; J. H. Hughes, 498; M. Mason, 138; D. A. Robertson, 17; F. Siddall, 324; Sir James Swinburne, 326, 539; Dr. A. S. M. Symons, 952; H. Thom, 756; Major Warner, 734
Oil-Rubber Mixes and their Properties..... 168

P

Packaged Mill..... 225
Palmer's Travelling Cradle and Scaffold Co.: Polyester/Glass Building Cradle..... 209
Papua: Rubber Industry..... 83

PAGE

Patent List..39, 75, 113, 153, 194, 236, 272, 311, 353, 394, 429, 469, 510, 549, 584, 624, 665, 705, 819, 933, 1012

Permali Ltd.:
Address, New 138
Glass Fibre Sheet..... 414
Reinforced Plastics in Zeta..... 446

Personal:
P. S. Adamson, 392; C. G. Addingley, 484; J. Addinsell, 129; C. Amyand, 984; J. P. Anderson, 882; F. R. Andrew, 724; F. D. Ascoli, 286.
J. H. Bacon, 110, 209; J. E. C. Bailey, 20; A. F. Baillie, 618; C. H. M. Baker, 372; J. T. Barkwith, 927; Sir J. D. Barlow, 715; F. E. Barlow-Lawson, 695, 986; K. A. M. Barton, 257; C. E. H. Bawn, 138; G. E. Beharrell, 657; D. A. C. Bennett, 461; R. H. Birks, 927; D. Blank, 142; K. F. Bothamley, 142; K. Brown, 65; J. M. Buist, 649; Mr. Bugbee, 23; J. L. Burden, 1000.
R. A. Cacutt, 986; T. J. Caldwell, 424; J. W. A. Calver, 812; W. Carter, 221; F. Chapman, 676; F. A. Charlton-Thomas, 564; L. V. Charter, 185; A. E. Cheshire, 720, 150; C. P. Choularton, 142; A. A. Christie, 142; B. T. W. Clarke, 736; G. R. B. Clarke, 921, 931; L. Clements, 968; L. R. Cleworth, 91; Sir Charles Colston, 244; W. H. Cooke, 185, 583; H. F. Copeman, 776; A. E. Curtis, 732.
J. N. Davies, 4; M. Davis, 1000; S. D. Davies, 959; S. A. Dodd, 110.
Sir D. Eccles, 4; E. P. B. Edwards, 296; C. A. A. Elliott, 984; A. A. Estall, 185; S. Estall, 185.
W. H. Fawkes, 491; C. Falconer Flint, 82; D. Farquharson, 142; W. M. Fenton, 695; F. F. M. Ferguson, 656; R. S. Ford, 163; N. Freeman, 15; R. D. Fryer, 129; F. R. H. Fuller, 921; R. E. Fuller, 927.
Dr. J. Gadsby, 833; W. B. Gallwey, 370, 800; B. A. Gay, 640; Reay Geddes, 795; H. L. Gilbert, 1000; J. F. E. Gilchrist, 129; H. W. Giltrop, 921; Lord Glenconner, 163; M. Goldsmith, 153; H. F. Gormley, 656; G. Grant, 320.
W. Harley, 205; A. P. Hamilton, 446; S. A. Haworth, 46; Sir J. Hay, 478; L. J. Healy, 581; F. L. Henstock, 205; R. Heywood, 308; S. Hinchliffe, 128; N. C. Hodson, 732; P. W. Howard, 298; J. Hume, 766; W. R. S. Huyton, 777.
T. F. W. Jackson, 370, 800, 805; F. A. Jacob, 695; J. Jaffa, 927; E. S. H. Janes, 868; R. O. Jenkins, 129; P. Jermy, 927.
E. Karlin, 182; A. S. Kingham, 10; H. A. Kinney, 185; P. C. E. Kirby, 617.
V. A. G. Lambert, 807; L. Lavy, 1000; W. Lemkin, 984; L. Lever, 1000; H. Lewis, 715; W. Liman, 927; P. A. J. Linforth, 166.
D. MacDonald, 984; K. B. Withy Machellan, 88; R. Perronet MacLellan, 88; L. B. MacQueen, 1000; H. Madge, 931; D. S. Mahon, 833; A. R. Malcolm, 209; V. O. M'Quillin, 736; H. J. E. Marr, 152, 763; T. C. Martine, 209; W. H. Mason, 455; J. Mathie, 130; B. W. Meaden, 986; C. A. Meakin, 205; A. F. Miller, 91; Sir E. Miller, 83; R. F. D. Milner, 620; S. Moore, 564; F. K. Morgan, 726; H. J. Morton, 873; J. Morton, 467;

PAGE

Personal—*continued:*
D. N. Morphew, 308; N. L. J. Mould, 888; A. E. Mullaly, 308.
H. E. Netherclift, 618.
H. Oldham, 388; E. S. Osborne, 927.
G. Parks, 756; H. Paterson, 659; N. M. Peech, 391; S. Perrin, 153; P. L. Pilch, 736; S. D. H. Pollin, 221; A. W. Porter, 129; T. H. Powell, 618; H. Evans Price, 38; J. F. Prideaux, 463.
H. R. Quartley, 882.
H. D. Read, 308; H. Reside, 916; F. M. Richardson, 452; E. L. Roberts, 695; R. Rooke, 113; J. G. Ruther, 736.
R. F. Sammell, 873; J. Sands, 129; R. A. Sawtell, 38; R. H. Sharp, 185; W. V. S. Sinclair, 1000; F. Smith, 214; W. H. Smith, 142; R. P. Stewart, 583.
E. J. P. Taylor, 129; F. H. Temperley, 984; J. H. Thornton, 110, 209, 308; A. R. Thom, 326; N. J. Travis, 326.
F. Usher, 952.
D. G. Valerie, 264.
W. E. Wallis, 129; P. B. Ward, 929; M. J. Whelan, 10; F. J. White, 166; Lt.-Col. J. R. P. Williams, 984; O. N. Williams, 558; J. Wright, 657.
R. C. Yablon, 1000; Leung Hoe Yeng, 518.
Philippine: Rubber Industry..... 478
Pirelli Ltd.:
Airlock Tube 848
Coaches Fitted with Tyres..... 735
Tyre Sales..... 778
Planning the Job for Safety..... 1005
Plantation:
Commentary..... 698, 854, 1003
Share Survey..... 190, 346, 540
Plastics..... 699, 884
Automobile Industry, In the 526
Body for Sports Car..... 951
Chemistry of..... 404
Coated Steel..... 146
Containers for Oil..... 248
Design Competition 838
Industry:
Education Fund..... 15
Fund: Training Course..... 759
Plastics Institute:
Annual Lecture..... 478, 484
Associateship, Recognized as Degree Equivalent 142
Lecture 91
London Section:
Election..... 833
European Common Market..... 180
Designers for Plastics..... 676
Report 983
Young People's Lecture..... 138
Plastics Scooter 163
Plastics at Work, by David Alexander..47, 84, 125, 164, 206, 252, 344, 418, 522, 595, 796, 867, 943, 988
Playtex Ltd.: New Factory..... 286
Pneumatic Breakwaters Ltd..... 424, 947
Polly Ester..10, 66, 105, 144, 169, 226, 250, 283, 336, 376, 407, 452, 492, 534, 568, 646, 684, 724, 760, 804, 844, 876, 921, 956
Polymer Corporation Ltd.: 1958 Budget..... 295
Polymer Technology, Recent Advances in..... 363

PAGE

Polythene:
Carbon Black 614
Speeds Erection 364
Polyurethane Foams 571
Portable Nylon Shelter 26
Portraits:
C. G. Addingley, 484; C. H. M. Baker, 372; T. C. N. Belgraver, 751; B. C. Betts, 952; J. M. Bierer, 606; S. A. Brazier, 649; W. R. Chetwynd, 1000; E. K. Cole, 949; Sir C. Colston, 244; Sir A. Forbes, 872; W. H. Garrett, 949; B. J. Hersey, 416; F. O. Holmes, 927; S. Hope, 570; N. J. Iddon, 618; T. F. W. Jackson, 805; L. J. Lambourn, 792; D. S. Mahon, 925; J. H. McKenzie, 927; P. Mitchell, 461; T. H. Miller, 776; F. M. Roodhouse, 50; F. Savage, 983; W. Scott, 50; E. D. Shearn, 774; E. A. Stringer, 999; Sir J. Swinburne, 326; H. Thom, 756; A. W. Wallich, 775; Dr. L. M. White, 927; W. S. Whyte, 650; R. Williamson, 295; J. Willums, 840.
Practical Rubber Technology 301
Precision Rubbers Ltd.: Annual Dinner 128
Preplasticizing Equipment 800
Price's (Bromborough) Ltd.: Appointment 27
Production and Properties of Synthetic Cis-Polyisoprene 51
Productofoam Rubber Co. (London) Ltd. and Latex Surgical Products: New Address 946
Properties of Cellular Polymers 519
PVC Fan Casing 125
PVC Pastes, by M. S. Welling 559, 611, 641

Q

Questions Corner ..20, 60, 92, 134, 174, 218, 258, 292, 336, 376, 414, 452, 492, 534, 568, 604, 646, 684, 724, 760, 804, 838, 876, 921

R

Rand Development Corporation: Glass Fibre-Resin Depositor 716
Rapid Evaluation of Optimum Cure Time, The, by A. R. Payne 915
Recent Progress in the Industries, by Dr. H. S. Stern 6
Reclaiming Rubber 65
Redland Holding Ltd.: Move, to 416
Research for Industry 959
Revertex: Appointments 618
Reviews:
British Compounding Ingredients for Rubber .. 504
British Plastics Federation: Surface Coating Resin Index 444
British Plastics Year Book, 1958 695
British Rubber Manufacturers and Products: Directory 424
BSI Year Book, 1958 657
Canada: Rubber Consumption, 1958 518
Chemistry:
Magic 460
Natural and Synthetic Rubber of, ... 300
Ebonite: Its Nature Properties and Compounding 226
FBI Register of British Manufacturers 185
Guide:
National Insurance 163
Plastics, A 578

PAGE

Reviews—*continued.*:
International Plastics Directory 657
Malaya 1006
Organic Colloids 735
Plastics Progress 620
Polysar Handbook, Volume I 105
Polyurethanes 930
Quality Control for Plastics Engineers 300
Review of Textile Progress 460
RFD Co. Ltd.: Industrial Equipment Exhibition 564
D. Robinson and Co.: Address, New 372
Royal Society of Arts: Bursaries 664
Rubber:
Crop Returns ..30, 68, 108, 146, 186, 305, 465, 504, 546, 623, 659, 735, 777, 815, 1009
Developments 567
Factory Safety 343
Footwear, Imported 46
Improvement Ltd.: Appointment 952
Industries and Sherman Chemicals Ltd.: Liquidation 388
Journal Prize: Colin Sterry Amsden 217
Latex Ltd.:
New Factory 715
Flooring at the Textile Show 254
-Like State 403
Manufacturers in Europe 751
Manufacturing Wages Council: Holiday Remuneration Proposal 422
Markets ..33, 70, 109, 147, 229, 267, 306, 348, 390, 425, 466, 505, 542, 582, 621, 662, 701, 738, 780, 817, 890, 931, 966, 1010
Materials, Toughened 8
Natural Trends 572
Plastics:
News, and 213, 527, 763
in S. Africa, and 27, 129, 812, 1002
Stock Market, and ..69, 145, 230, 304, 426, 580, 661, 737, 816, 889
at Textile Show, and 302
Production Forecast, 1958 83
Products Supply Co.: 21st Anniversary 697
Regenerating Co.: Retirement 650
Research Cess 4
Rockets, in 284
Silicone Power 370
Statistics ..28, 67, 106, 143, 186, 228, 303, 387, 462, 539, 658, 697, 778, 853, 883, 929, 1007
Study Group: Conference 948
Sulphur in Vulcanized 498
Suspension:
New Motor Vehicle, in 380
New Railcar, for 364
Synthetic and Natural 384
United Nations Survey 362

S

Sales of Plastics Materials, 1957 814
Seam Weld in PVC 125
Semtex Ltd.:
Appointment 214
Floor Colours, New 162
Training Scheme 438
Edmund Schulter and Co. Ltd.: 100 Up 422

PAGE

Scott Plastic Products: Polythene Slow Ice Melting in Trawlers 142
Silicone Rubber with Atomic Bounce 873
Silvertown Rubber Co. Ltd.: Glass Fibre Laminates on Show 697
Singapore:
Bandits 978
International Rubber Study Group: Representatives 790
Large Holdings 790
'Paper Rubber' Trading 687
Rubber Trading 502
Singapore Rubber Trade Association: Rubber Exports to China 942
Soviet Union buy Malayan Rubber 596
Society of Chemical Industry:
Plastics and Polymer Group:
Annual Meeting 699
Silver Jubilee Symposium 450
Symposium: Crystallinity in Polymers 928
Spain: New Rubber Factory 866
Star Brush Co.: Brooms, Heavy Duty 892
Stewart Plastics Ltd.: Extensions 137
R. W. Stewart and Co. Ltd.: Close Factory 35
Storey Bros. and Co.: Vinyl-Glass Fibre Material 766
Statistics as Applied in the Rubber Industry ..328, 439, 599, 673, 728, 827, 903, 979
Structure and Properties of Polypropylene 754
Surgical Plastics Laboratory 759
Sweden:
British Rubber Lectures at Meeting 853
Plans to Double Car Output 596
Tyre Price Cut 104
Synthetic Rubber:
Changes 927
Prices 32, 349, 543, 702, 886

T

Technical Data:
Accelerants for Rubber 36
Adhesives:
Based on Nitrile Rubber 508
Bonding of Metals in Aircraft Production ..781
Allyl Alcohol 703
Antioxidant SP 234
Blends of Oil-Extended 'Cold' Rubber and Natural Rubber 547
Butyl Compound Resistant to Detergents 467
Cambridge Textile Extensometer 967
Carbon Black 583, 857
Abstracts 270
Cellobond H.831 in Heel Top Piece Compounds 891
Cellobond Polyester Resin 932
Coating:
Cellular Materials 818
Resin 36
Comparison of Carbon Blacks 193
Couplings for Nylon Tubes 1011
De-Solv 292 508
Determination of CI in PVC 863
Dough Moulding Compounds 427
Du Pont Polymer 622
Elastomers:
Notebook 234, 932
Review 967

PAGE

Technical Data—*continued:*
End Rings for Oil Well Packers 393
Epoxide Resins 112
Equivalent Cures: Various Shapes 802
Expandable Polystyrene 193
Factice in Non-Staining Rubber Compounds ..891
Geon and Hycar 891
High Impact Polystyrene Sheet 309
Hot-Water Bottle of Butyl Rubber 547
Hydrated Aluminium Silicate 270
Hypalon Synthetic Rubber 151
Inhalation Tests of Hi-Sil 233 818
Injection Moulding of Polystyrene 583
Light-Coloured Butyl Sheet 818
Liquid Epoxy Resin 508
Moisture Absorption of Carbon Blacks 739
Neoprene-Coated Nylon Fabric 392
Nitrile:
Rubber in Phenolic Resin Adhesives 703
Rubber Sponge 467
1,4-Thioxane 663
Physical Testing, by Dr. Drogin 374
Philprene 663
Pigment:
PVC, New, for 547
Rubber Coloration, for 547
Plastic Tubing 857
Polectric S.M. 11 739
Polyethylene for Cables 622
Polymeric Plasticizer 36
Polysar Krynac 803 703
Polystyrene for Shoe Heels 1011
Polythene Film 352
Reinforcing Resins for Neoprene 781
Resin for Uses in Natural Rubber Sponge 73
Retarder for Furnace Black Stocks 112
Rubber-to-Metal Bonding 583
Santovar A 739
Santowhite CI 781
Seam Adhesive for Hypalon-Coated Fabrics ..818
Secar 250 White Calcium Aluminate Cement ..508
Softener for Nitrile Rubber 352
Styrene-Divinylbenzene Copolymer 891
Synthetic:
Resins for Surface Coating 967
Rubber:
Compounds Resistant to Butadiene 663
Heat-Resistant Conveyor Belts for, ... 73
Shoe Soles 270
White Heels 467
Wringer Rolls 352
Surface-Active Agents in Polysar Latex 851
Thermal Antioxidants for Polyethylene 309
Thiobenzoic Acid 193
Trimethyl-Propane 427
Vinyl Resins for Surface Coating 151
Viscosity of PVC Pastes 663
Vulcafor EFA 1011
White Fillers for Rubber 36
Telegraph Construction and Maintenance Co. Ltd.: Appointments 697
Temperature and Frequency Effects 830
Tenders Wanted 38
Textiles Lectures at the National College ..95, 123, 170, 208, 262, 321, 379, 445

PAGE

Textile Show 384
Thailand: Improve Rubber Output 866
Titanium: Pigment Prices Revised 384
A. Tout and Sons Ltd.: New Address 15
Toxicity of PTFE 856
Trade Marks..39, 75, 113, 153, 194, 236, 272, 311, 353, 393, 428, 468, 509, 548, 584, 623, 664, 705, 819, 892, 933, 1012
Tratt Plastics Ltd.: To Extend Premises 184
Turkey: Needs more Car Tyres 978
Turner Bros. Asbestos Co. Ltd.: New Factory .. 406
Tyre:
  Mileage Up 724
  Prices, MP Queries 122

U

U.A.M. Plastics Ltd.:
  Plastic Sheeting Profiles 800
  Roof-Troughing Material 966
Union Carbide International Co.:
  Appointment 800
  Flame-Plated Skiving Knife 130
  Postpone Building 254
UK:
  Dunlop Rubber Co.: High-Speed Test Machine 632
  Hennan and Froude Ltd.: Order for V-Belt Test Plant 712
  International Synthetic Rubber Co. Ltd.:
    'Cold' SBR 902
    Output Figures 942
  Record British Plastics Exports 162
US:
  AFL-CIO United Rubber Workers Union:
    Wage Claim 790
    Wage Negotiating 826
    Wage Drive 712
  Allied Chemical Corporation: Earnings 712
  Anti-Trust Ruling 699
  Columbian Carbon, International Inc.: Appointments 610
  Copolymer Corporation: Expansion 672
  Crown Zellerbach Corporation: Plant 826
  Dayton Rubber Co.: More Manufacturing Space 712
  Dollar Purchases of Synthetic Rubber 478
  Dow Corning Corporation: Versatile Silicone Rubber 94
  Firestone Tire and Rubber Co.: SR Development 15
  Glass Fibre for UK 248
  B. F. Goodrich Chemical Co.: Dutch SR Plant 52
  B. F. Industrial Products:
    Domestic Plastics 776
    Industrial Conveyor Belts 750
  B. F. Goodrich Tire Co.:
    Rubber Expansion Joint 83
    Sales Declining 645
    Three New Tyre Sizes 942
    Vinyl Extrusion 959
  Goodrich Gulf Chemical Incorporated:
    Expansion 942
    Extension 790
    Laboratory 978
  Goodyear Tire and Rubber Co.:
    Drop in Sales 712
    Price Cuts 750

PAGE

US—*continued:*
  Goodyear Tire and Rubber Co.—*continued:*
    Rubber Industry 617
    Tyre Price, Raise 129
  Hercules Powder Co.: Reduction in Price 672
  Humble Oil and Refining Co.: Closed Butadiene Unit 672
  Indonesia, Aid for 128
  Inflatable Rubber Bags 902
  New York Casein 856
  Nylon Cord Tyre Figures 596
  Pine-Gum Derivatives 205
  Owens-Illinois Glass Co.: Plastic Bottles 654
  Polymer Chemicals Division: Process for Dry-Colouring Plastics 518
  Reinforced Plastics Sales 949
  Rubber Consumption, 1958 ..... 10, 826
  Stockpile 672
  Suspended Trading in Rubber Standard Contract 596
  SR Airship 638
  Texas Polythene Plant: Expansion 660
  13-in. Tyre 672
  Tubeless Nylon Passenger Tyre 902
  United States Rubber Co.:
    Earnings 650
    Prospects 675
    Vulcanising Process for Butyl 912
USSR:
  Car Statistics 596
  Ceylon, Offer Loan to 122
  Ethyl-Alcohol Production Method 122
  Fibre from Natural Gas 258
  Plant, New 672
  Rubber:
    To Buy Ceylon 15
    Cheap 826
  Scientific Conference 790
  SR Production 205
  Tyre Factory 518
    Order for 438

V

Voluntary Liquidation:
  F. J. Close and Co. Ltd 855
  N.A.P. Latex Products Ltd 510
  Sussex Tyre Co. Ltd 893

W

Wallington, Weston and Co. Ltd 814
Welwyn Tool Co. Ltd.: Welding Tool 455
Wills:
  Major W. I. Anderson, 624; A. Ellison, 741; R. P. Hughes, 741; Sir W. T. G. Chambers, 550; A. M. Clarke, 428; H. H. Cressall, 509; H. B. Dudley, 509; R. E. A. Goode, 428; L. E. Hoare, 468; W. Macdonald, 38; F. Matravers, 468; Major F. T. Monk, 858; R. Moseley, 624; W. H. Naylon, 114; T. E. H. O'Brien, 550; C. A. Proctor, 468; A. E. Read, 114; S. A. Richardson, 428; D. A. Robertson, 741; H. H. Wardlaw, 509.
World Demand for NR to Continue 23

Y

Yarsley Research Laboratories Ltd.: Open Day .. 695
Youth's Chances in the Rubber Industry 424

TECHNICAL INDEX

	PAGE
Abrasion Testing	995
Accelerated Ozone Ageing	954
Adhesives for High Temperature	173
Annual Report Comes of Age	758
Brittleness Tests	530
Carbon Black Protection of Polythene	58
Chemical Engineering	994
Classification of IRI Papers	566
Cold Mastication and Polymerization	602
Composite Tyres	90
Compounding for Adhesion	173
Corona	857
Crystalline High Polymers	58
Diploma in Technology	334
Dynamic Bulk Modulus	172
Effect of Loading Rate on Adhesive Strength	530
Elasticity	291
Electrical Properties of NR/CB Compounds	531
Elongation of Tyre Cords, Delayed	490
Extensometer Microscope Stage	90
Factice	132
Fillers in Elastomers	644
Firestone Subsidiary ' Split '	257
Fluorinated Elastomers	59
Fluorine-Containing Rubber	91
Graft Polymers	132
Grafting Vinyl on Polythene	59
High-Temperature Bonding	173
Hot Mixing	645
Impact Tests	256
ICI Review for 1957	836
Industrial:	
Safety	918
Engineering Chemistry, and	722
I and EC Symposium	18
Influence of Fillers and Waxes	874
Interaction of R and CCI	172
Isomerization in Polybutadiene	723
Latex Preservation	644
' Liberal Studies '	374
Light Absorption by Carbon Black	448
Malaya and Latin American	491
Metal Preparation for Bonding	133
Metallurgy and Humour	256
N.R. Famine ?	410
Niobium	645
Ozonolysis of Interpolymers	90
Oxidation of Organic	443
Permeability of Silicone Rubber	90
Plastics Ion Exchange Resins	994
Poly (Ethyl Esters), Determination of	411
Polymers:	
Engineering, and	490
From NR, New	90
Polymerization of M. Methacrylate	59
Polythene Extrusion	449
Polyethylene Pipes	58
Plasticizer Prices Reduced	91
Protective Packaging	723
Publication of Papers	836
RABRM ' British Compounding Ingredients for Rubber '	410
Resorcinol Polycondensates	836
Road Surfacing Compounds	602
Rubber:	
Abstracts	919
Developments	290
Spring Meeting	875
Building, in	532
Metal Adhesion, to	132
Threads in Textiles	216
Safety in Chemical Industry	18
Safer Motoring	531
Scientific Language	955
Scientists Queer ? Are	411
Shorthand or Jargon	411
Small Industrial Research Associations	566
Society for Analytical Chemistry	918
Standards	759
Structure in Carbons	603
Sulphinyl Chlorides and Thiosulphinates	448
Symposium on Microchemistry	290
Technology of High Polymers	256
Textile Institute, The	491
Textiles and Rubber	682
Thermal Diffusivity of Butyl	566
US:	
Plastics in 1957	217
Rubber Cake	217
Versatile Polythene	375
' Vickers '	919
Vulcanization with MBT	644
Washington Group, The	802
Weather-Resistant ' Mylar '	645
White Polyethylene Compound	547

AUTHOR INDEX

	PAGE
Alexander, David:	
Plastics at Work	47, 84, 125, 252, 344, 418, 522, 595, 796, 867
Coutie, G. A.:	
Statistics as Applied in the Rubber Industry	328, 439, 599
Edwards, E. P. B.:	
Commonwealth Compatriots	296
Fletcher, W. P., and Fogg, S. G.:	
The Heat Ageing of Natural Rubber	16
Humphreys, N. C. H., and Moore, F.:	
Evaluations of Mercaptobenzimidazole and its Zinc Salt	633
Melville, Dr. H. W.:	
High Polymers	323

PAGE

Smith, D. A.:
National College of Rubber Technology Tour Germany and Holland 841
Stafford, W. E., Sargent, D. T., and Allcroft, J. B.:
Some Aspects of Rubber Combined Sulphur on Reclaiming 245
Stern, Dr. H. J.:
Recent Progress in the Industry 6
Thornley, E. R.:
Statistics as Applied to the Rubber Industry 827, 903
Welling, M. S.:
Applications of PVC 833, 879, 908
Compounding of Polyvinyl Chloride—340, 408, 453, 479
History and Development of the Vinyl Industry 11
Manufacture and Properties of Vinyl Polymers and Copolymers 98
PVC Pastes 559, 641
Williams, G. E.:
Statistics as Applied in the Rubber Industry ..673, 728

PATENT SPECIFICATIONS

PAGE

Accelerator System (Armstrong Cork Co.) 72
Adhering Butyl Rubber to a Fibrous Reinforcing Structure (The Goodyear Tire and Rubber Co.) 888
Adhesive Compositions:
Armstrong Cork Co. 110
Minnesota Mining and Manufacturing Co... 192, 581
Aminoalkyl Cyclopolysiloxanes (General Electrical Co.) 34
Apparatus for Adjusting Tension in Cord Wound from One Package to Another (Dunlop Rubber Co.) 308
Apparatus and Method for Moulding Plastic Material (Dunlop Rubber Co.) 1088
Apparatus for Moulding Sheets of Plastic Material (United States Rubber Co.) 660, 700
Bead-Wrapping Machine (United States Rubber Co.) 148
Belting Fabric (Dunlop Rubber Co.) 464
Bonding Natural or Synthetic Rubber (Phoenix Gummiwerke) 855
Butyl Rubber Latex as a Fibrous Material Adhesives (Esso Research and Engineering Co.).. 736
Carbon Paper (The Goodyear Tire and Rubber Co.) 191
Casting Resins (British Thomson-Houston Co.).. 268
Cellular Products (Armstrong Cork Co.) 700
Chemical Compounds (E. I. du Pont de Nemours and Co.) 779
Collapsible Sectional Curing Bag (The Goodyear Tire and Rubber Co.) 34
Compositions Containing Epoxy Compounds for Threading Synthetic Fibre (N.V. de Bataafsche Petroleum Maatschappij) 700
Copolymers of Chlorotrifluoroethylene and Vinylidene Fluoride (Allied Chemical and Dye Corporation) 34
Curing Organosilicon Compounds (Midland Silicones Ltd.) 736
Diarylmethane Derivatives, New (Imperial Chemical Industries Ltd.) 620
Dynamic Seals (Precision Rubbers Ltd. and C. M. Blow) 148
Elastic Paper-Backed Cushioning Material (United States Rubber Co.) 544
Electric Cables and Insulated Wires (British Insulated Callenders Cables) 35
Extrusion Dies for Sheet Material (Monsanto Chemical Co.) 930
Fatigue Testing of Elastomers (The Goodyear Tire and Rubber Co.) 815
Fibre-Drafting Elements 191
Foam Rubber Slab or Padding Material (National Automative Fibres Inc.) 464
Flexible Hose (Hoover Ltd.) 34
Flexible Liquid-Containers (Imperial Chemical Industries Ltd.) 110
Flexible Tubing:
Hoover Ltd. 34
H. G. Schauenburg 779
Floor Covering (J. Lewis and Rubber Improvement Ltd.) 148
Fluid Spring (Metalastik Ltd.) 391
Gas-Expanded Organic Plastic Materials (United States Rubber Co.) 736
Hydrophobic Organosilicon Powders (Midland Silicones Ltd.) 34
Impregnation of Sheet Material with Synthetic Resin Latices (Celastic Corporation) 148
Inhibitors of Ozone Degradation of Natural or Synthetic Rubber (Metal and Thermal Corporation) 736
Injection Moulding Polymers of Halogen-Containing Vinyl Compounds (Chemische Werke Hüls AG) 268
Insulation for Electrical Conductors (General Electric Co.) 35
Laminated Sheet Material (A. Sauer) 544
Locking and Sealing Device (Stephens-Adamson Mfg. Co.) 72
Machine for Covering Tubing with Threads (Pirelli Societa per Azioni) 581
Machine for the Production of Rubber and like Rings (P. F. J. Dufour) 268
Manufacture of Gloves from Rubber (London Rubber Co.) 148
Mats and Matting (Andre Rubber Co.) 350
Mattresses of Latex Foam (H. Anuzet) 34
Method and Apparatus for the Production of Rubber Boats (Societe des Caoutchoucs de Liancourt) 35
Method of Moulding Tyres (The Goodyear Tire and Rubber Co.) 233
Modified Rubber Compositions (The British Rubber Producers' Research Association) 660
Motor Vehicle Body Construction (Ford Motor Co.) 736
Moulded or Cast Products (London Rubber Co.) 148
Organopolysiloxanes (Midland Silicones Ltd.)... 815
Organopolysiloxane Elastomers (Midland Silicones Ltd.) 34

	PAGE
Plastisol Composition (E. I. du Pont de Nemours and Co.)	620
Pneumatic Tyre:	
United States Rubber Co.	660
Compagnie Générale des Etablissements Michelin	779
Dunlop Rubber Co.	191, 308, 350
T. A. Clayton, United States Rubber Co.	464
Pirelli Societa per Azioni	544
Pneumatic Vehicle Wheel Tyres (Pirelli Societa per Azioni)	191
Polyethylene (General Electric Co.)	34
Polymeric Materials (Imperial Chemical Industries)	888
Polymerization Process (Polymer Corporation Ltd.)	351
Polystyrene Compositions (H. Newby)	268
Positive Drive Belt (United States Rubber)	581
Preservation of Natural Rubber Latex (General Latex and Chemical Corporation)	660
Preservation of Organic Substances (H. G. C. Fairweather)	391
Press for Shaping and Vulcanising Pneumatic Tyres (The McNeil Machines and Engineering Co.)	351
Pressure Hose (H. Vohrer)	351
Process for Inhibiting the Attack of Ozone on Natural or Synthetic Rubber (The Pennsylvania Salt Manufacturing Co.)	232
Production of Shaped Articles from Elastomeric Polymers Containing Reactive Groups (Farbenfabriken Bayer AG)	232
Radiation-Induced Polymerization (W. G. Barb and Dr. V. E. Yarsley)	72
Rail Pads (The British Rubber Producers' Research Association. *Inventor:* D. M. Harghon)	391
Reinforced Thermoplastic Materials (Microcell Ltd.)	888
Resinous Polymerization Products (Whiffen and Sons Ltd. *Inventors:* R. A. Read, R. G. H. Spencer and W. G. Barb)	855
Resinous Compositions (Minnesota Mining and Manufacturing Co.)	391
Rubber:	
Antioxidant Mixtures (Imperial Chemical Industries Ltd. *Inventors:* B. N. Leyland and R. L. Stafford)	232
Mats for Floors (H. T. Isles and G. Guisti)	110
Reaction Product (Esso Research and Engineering Co.)	232
Rubber—*continued:*	
Sealing Rings (George Angus and Co.)	660
Springs or Pads (George Spencer Moulton and Co.)	232
Seals for Coalmine Roadways (Elliot Equipment)	507
Self-Hardening Surface Coating Composition (Deutsche Gold-und Silber-Scheideanstalt Vormals Roessler)	507
Shaft Packings (Munderser Gummicuarenfabrik Gebr. GmbH and F. Hartman)	148
Self-Sterilizing Surfaces (W. H. Engel)	815
Siloxane Compositions (Midland Silicones Ltd.)	815
Solid Siliceous Materials of High Surface Area	620
Synthetic Resin-Silica Compositions (Godfrey L. Cabot Inc.)	888
Synthetic Rubber-Like Materials (Imperial Chemical Industries)	268
Tank Linings (United States Rubber Co.)	855
Textile Materials (British Celanese)	72
Torsional Vibration Dampers (Metalastik)	391
Tubeless Tyre:	
Dunlop Rubber Co.	544
Firestone Tire and Rubber Co.	779
United States Rubber Co.	268
Tyre Building Machines (Continental Gummi-Werke)	507
Tyre Cord Production Machine (United States Rubber Co.)	676
Tyre Manufacture (The Firestone Tire and Rubber Co.)	855
Tyre (Midland Silicones Ltd.)	855
Vacuum Deep-Drawing of Thermoplastic Sheet Material (Hydro-Chemie AG)	350
Vehicle Suspension (A. E. Moulton)	148
Vehicle Wheels (Compagnie Generale des Etablissments)	35
Vulcanization Accelerators (Goodyear Tire and Rubber Co.)	700
Vulcanizable Vinyl Containing Organopolysiloxanes (General Electric Co.)	192
Vulcanization Accelerators (United States Rubber Co.)	507
Vulcanization of Silicone Rubber (General Electric Co.)	391
Vulcanized Natural or Synthetic Rubber Products, Preparation of (Hercules Powder Co.)	464
Weather-Resistant Light-Colour Composition Containing Butyl Rubber (Esso Research and Engineering)	233
Wheel Rims (Dunlop Rubber Co.)	350

COMPANY NEWS

Anchor Chemicals, 388; Asbestos Corporation, 424, 657; Avon India Rubber, 108.

Baker Perkins, 498; Barrow Hepburn and Gate Ltd., 424; British Industrial Plastics, 108, 345, 461; BTR Group, 150; John Bull Rubber, 68.

Cassiar Asbestos Ltd., 150, 233; P. B. Cow, 177.

Dunlop Rubber Co., 777, 813; Dunlop Dunloppillo Division, 108; Durham Raw Materials, 150.

Elliott-Automation and Rotameter, 29.

Goodyear Tire and Rubber Co. (Canada), 388.

Imperial Chemical Industries, 813; ICI Heavy Organic Chemicals, 29.

Kleeman and Erinoid, 150; Kleeman, O. and M., 68, 130.

London Rubber Co., 233.

Manwood, Miller and Co., 150; Marley Tile (Holding), 185; Michael Nairn and Greenwich, 233; H. G. Miles (Holdings), 29; Monsanto Chemicals, 388, 498.

North British Rubber, 857.

Oil Feed Engineering and BTR, 150.

Pirelli-General Cable Works, 461; Plastic Engineers, 345; Polymer Corporation, 461, 657.
St. George Rubber Estates, 108.
United States Rubber Co., 388, 777; UAM Group, 813.
Washington Chemical Co., 68.

PLANTING:
Batu Tiga Rubber, 302; Bernam-Perak, 29.
Cape Asbestos, 929.
Hermetic Rubber, 185.
Kuala Lumpur Rubber, 302; Kulim Rubber Plantations, 461.
O. and M. Kleeman, 68, 130.
Padang Senang, 345; Paragon Holdings Ltd., 1007.
Redfern Holdings, 108, 581; Revertex, 388.
Sarawak Rubber, 29; Selangor and Sungei Way (Selangor), 233; Sungei Batu Rubber, 233; Sungei Way (Selangor), 345.

NEW COMPANIES

Abbey Developments (Plastics) Ltd., 705; A.C. Plastics Industries Ltd., 624; Adhesive Coatings Ltd., 819; Adlink Belts (Yeadon) Ltd., 237; A.P. Arts Plastics Ltd., 893; Arden Plastic Co. Ltd., 858; Atholl Products Ltd., 39; Auto Plastics (Oldham) Ltd., 429; Autoprule Ltd., 39; Ayr Tyre Factors Ltd., 819.
Batcam Ltd., 311; Biggins Co. (London) Ltd., 549; Bildex Press Ltd., 705; Bildix (Manufacturing) Co. Ltd., 705; Brake Lining Service (Birmingham) Ltd., 236; Bridgtown Industries Ltd., 624; Bristol Structural Plastics Ltd., 664; B.T. Woodproducts (Motor Assessories) Ltd., 195.
Cabmak Ltd., 549; Charles and Co. (N.I.) Ltd., 353; Chemipax Ltd., 272; Cyplas Industries (England) Ltd., 153.
Darick Plastics Ltd., 468; Davies and Manson Ltd., 468; T. Davies (Tyres) Ltd., 664; Dennalin Plastics Ltd., 782; H. R. Denne Ltd., 819; Dublin Rusk Co. Ltd., 236; D.B. Enterprise (Plastics) Ltd., 549; Duprint Ltd., 624; Durant and Son (Nottingham) Ltd., 705.
Evens Kirby (Plastics) Ltd., 311.
Felstead Manufacturing Co., 153; Fenton Brothers (Liverpool) Ltd., 624; Fibre-Craft Ltd., 39; Flexday Plastics Ltd., 353.
G.B. Reproductions Ltd., 39; Glampak Ltd., 468; Glass Moulding and Design Co., 236; Gordon Plastics (Sales) Ltd., 782; Granram Ltd., 113.
Robert Harvie Ltd., 858; J. B. Haughton and Co. Ltd., 1012; Healey (Northern) Ltd., 311; Heinke Precision Rubbers Ltd., 893; Hornsby-Clarke and Co. Ltd., 624; Humphreys Auto Factors Ltd., 39.
Ibakert Plastics Ltd., 353; ICI (Heavy Organic Chemicals) Ltd., 75; Industrial Development Corporation, 75; Industrial Laminates Ltd., 39; Inorganic Plastics Ltd., 665; Insulote Ltd., 549; Irish Rubber Products Ltd., 624.
Jacob Cowen and Sons Ltd., 509; J.A.L. Plastics Ltd., 624; J. E. and D. Snow (Handles) Ltd., 783; Kleeman Plastics Ltd., 113.
Lanham's Tyre Service Ltd., 113; J. Lazar and Co. Ltd., 624; Long and Hambly (Northampton) Ltd., 624.
Martin Chandeliers Ltd., 549; Melody Products (Plastics) Ltd., 893; Mitbros Plastics Ltd., 1012; Molybdenum Disulphide Ltd., 858.
New Ross Rubber Co. Ltd., 858.
Parnell Bros. Ltd., 549; Plasticon Industries (1958) Ltd., 624; Plastic Plants Ltd., 549; Plastics Industry (Installations and Services) Ltd., 893; Plastomer Coatings Ltd., 549; Polyisocyanate Applications Ltd., 272; Polyoptics Ltd., 429; Polythene Drums Ltd., 665; Proda (Mfr.) Ltd., 429.
Reinastics Ltd., 892; Rotaflex (India) Ltd., 39; Rubber Industries Ltd., 933; Russel-Arden Machine Rental Co. Ltd., 893.
S. and Co. (Chemicals) Ltd., 236; Shirley Waterproof Co. Ltd., 311; Simons Sales Stores Ltd., 893; Speciality Sales (Manchester) Ltd., 125; Stapletons (Tyre Finance) Ltd., 39; Star Plastics Products Ltd., 664; Stourmac Ltd., 664; Straussler Lypsoid Tyres Ltd., 740; Structoplast Ltd., 780; Swift Components (Plastics) Ltd., 740.
Taw Plastics Ltd., 782; Temple Tyres Ltd., 509; Tottenham Tyre Traders Ltd., 933; L.G. Trading Co. Ltd., 933; Tyre Repair Co. Ltd., 782; Tyre Specialists Ltd., 509; Tyre Supplies Ltd., 1012.
United Plastics Ltd., 509; Universal Injection Moulders (UIC) Ltd., 665.
Vaughan Plastics Ltd., 819; Ventalon Ltd., 624.
Walbond Ltd., 39; Watercraft Laminations Ltd., 237; Wellington Slipper Co. Ltd., 893; Western Mouldings Ltd., 75; J. B. Wilson and Son Ltd., 783; Wovit (Fibre) Ltd., 782.

F. J. PARSONS, LTD.,
Printers
LONDON AND HASTINGS